

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of all claims in the application.

Listing of Claims

1. **(Previously presented)** A method of detecting a target analyte in a sample comprising:
 - a. applying an initiation signal to a tissue collection device comprising an electrode comprising:
 - I. a self-assembled monolayer;
 - II. an assay complex comprising:
 - 1) a capture binding ligand;
 - 2) said target analyte; and
 - 3) an electron transfer moiety; and
 - b. detecting electron transfer between said electrode and said electron transfer moiety.
2. **(Previously presented)** A method according to claim 1 wherein said sample is blood.
3. **(Previously presented)** A method according to claim 1 wherein said self-assembled monolayer comprises insulators.
4. **(Currently amended)** A method according to claim 1 wherein said self-assembled monolayer comprises an EFS electroconduit-forming species.
5. **(Previously presented)** A method according to claim 1 wherein said target analyte is nucleic acid.
6. **(Previously presented)** A method according to claim 1 wherein said capture binding ligand is a capture probe.

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7. **(Previously presented)** A method according to claim 1 wherein said assay complex comprises a label probe comprising said electron transfer moiety.
8. **(Previously presented)** A method according to claim 1 wherein said electron transfer moiety is ferrocene.
9. **(New)** The method of claim 1, wherein said tissue collection device further comprises an evacuated tube.